

AMENDMENTS TO THE CLAIMS

Claims 1-12 (Cancelled).

13. (Previously Presented) A vehicle-installed apparatus to be installed in a vehicle having a main power source, said vehicle-installed apparatus comprising:

an unlocking/locking detection section for detecting whether a door of the vehicle is unlocked or locked;

an ignition key detecting section for detecting whether an ignition key is switched from OFF to ON;

a dedicated secondary battery for supplying power only to said vehicle-installed apparatus;

a state determining section for determining a state of an operating system of said vehicle-installed apparatus;

a secondary battery control section for, if said unlocking/locking detection section is detecting that the door of the vehicle is unlocked, booting up said vehicle-installed apparatus by starting a power supply from said secondary battery to said vehicle-installed apparatus only when said state determining section has determined that said operating system of said vehicle-installed apparatus is in a state such that said vehicle-installed apparatus cannot be booted up unless an initial boot-up is performed; and

a power source switching section for, when said ignition key detecting section has detected that the ignition key is switched from OFF to ON if power is being supplied from said secondary battery to said vehicle-installed apparatus, stopping the power supply from said secondary battery to said vehicle-installed apparatus and starting a power supply from the main power source to said vehicle-installed apparatus.

14. (Previously Presented) The vehicle-installed apparatus of claim 13, wherein said secondary battery control section is operable to monitor an amount of power remaining in

said secondary battery, and to boot up said vehicle-installed apparatus by starting a power supply from said secondary battery to said vehicle-installed apparatus only when the amount of power remaining in said secondary battery is equal to or greater than a predetermined value.

15. (Previously Presented) The vehicle-installed apparatus of claim 14, further comprising a time measuring section for measuring an amount of time from when said unlocking/locking detection section detects that the door is unlocked, wherein

said secondary battery control section is operable to boot up said vehicle-installed apparatus by starting a power supply from said secondary battery to said vehicle-installed apparatus only when said unlocking/locking detection section is not detecting that the door of the vehicle is locked and said time measuring section has measured a predetermined amount of time.

16. (Previously Presented) The vehicle-installed apparatus of claim 13, further comprising a time measuring section for measuring an amount of time from when said unlocking/locking detection section detects that the door is unlocked, wherein

said secondary battery control section is operable to boot up said vehicle-installed apparatus by starting a power supply from said secondary battery to said vehicle-installed apparatus only when said unlocking/locking detection section is not detecting that the door of the vehicle is locked and said time measuring section has measured a predetermined amount of time.

17. (Currently Amended) The vehicle-installed apparatus of claim 13, wherein said state determining section is operable to determine whether said operating system of said vehicle-installed apparatus is in one of:

an end state wherein said vehicle-installed apparatus is not booted up unless an initial boot-up is performed by using said secondary battery;

a standby state wherein power is supplied to a CPU of said vehicle-installed apparatus, and said vehicle-installed apparatus is booted up without an initial boot-up being performed by using the main power source; and

a hibernate state wherein no power is supplied to a CPU of said vehicle-installed apparatus, and said vehicle-installed apparatus is booted up without an initial boot-up being performed by using the main power source.